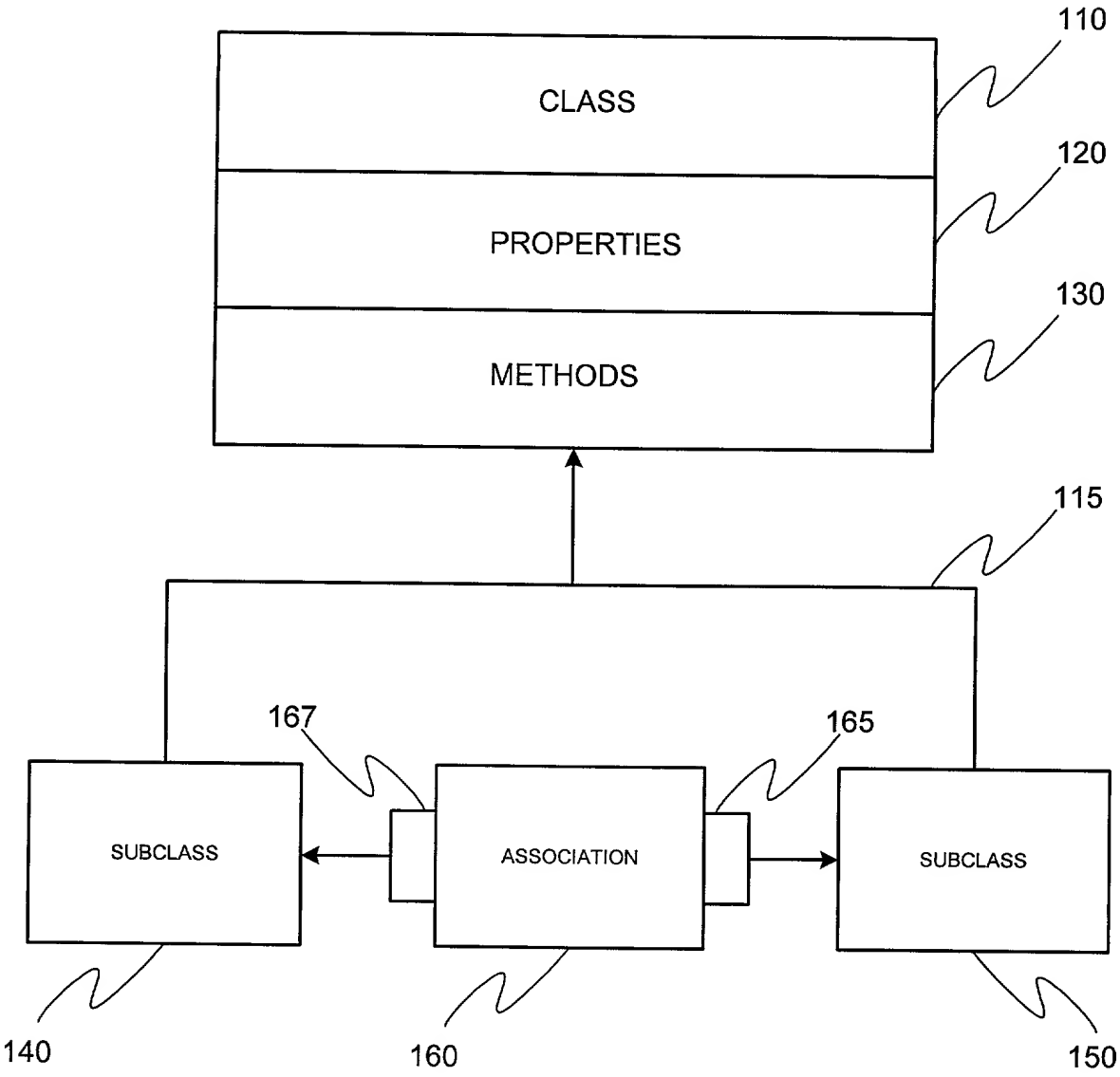

CLASS
PROPERTIES
METHODS
110
120
130
115
167
165
SUBCLASS
ASSOCIATION
SUBCLASS
140
160
150

FIGURE 1

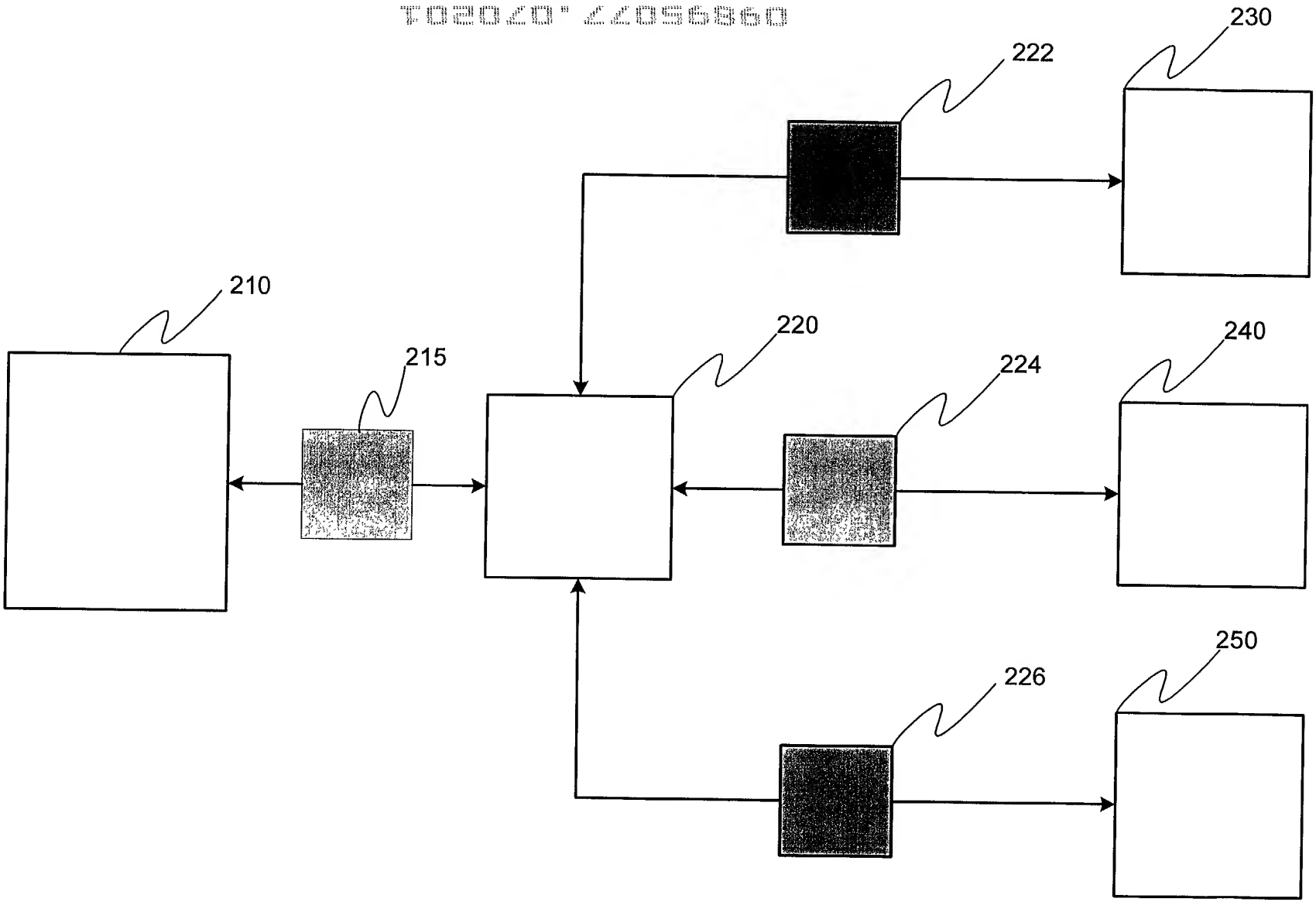
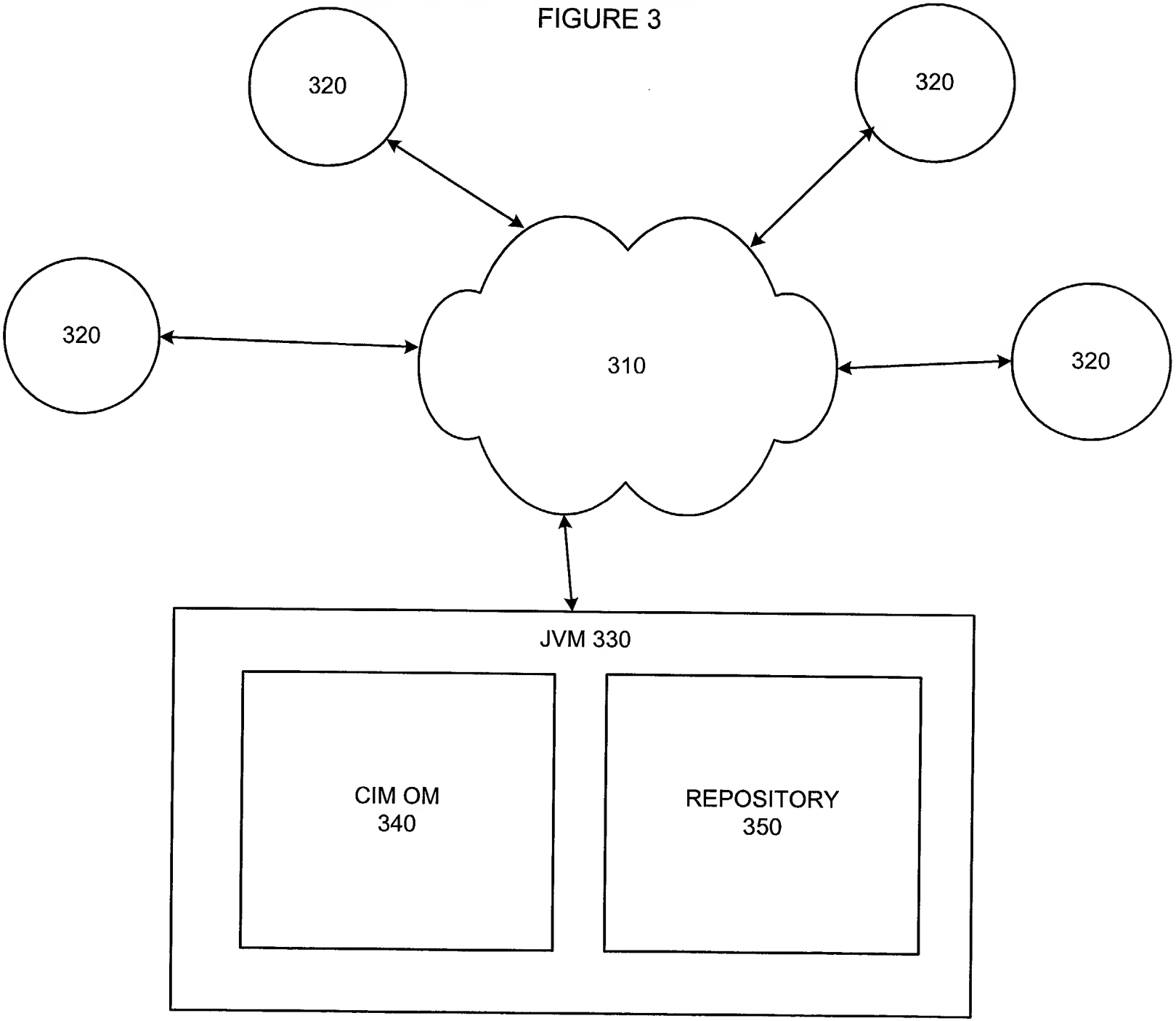



FIGURE 2

FIGURE 3



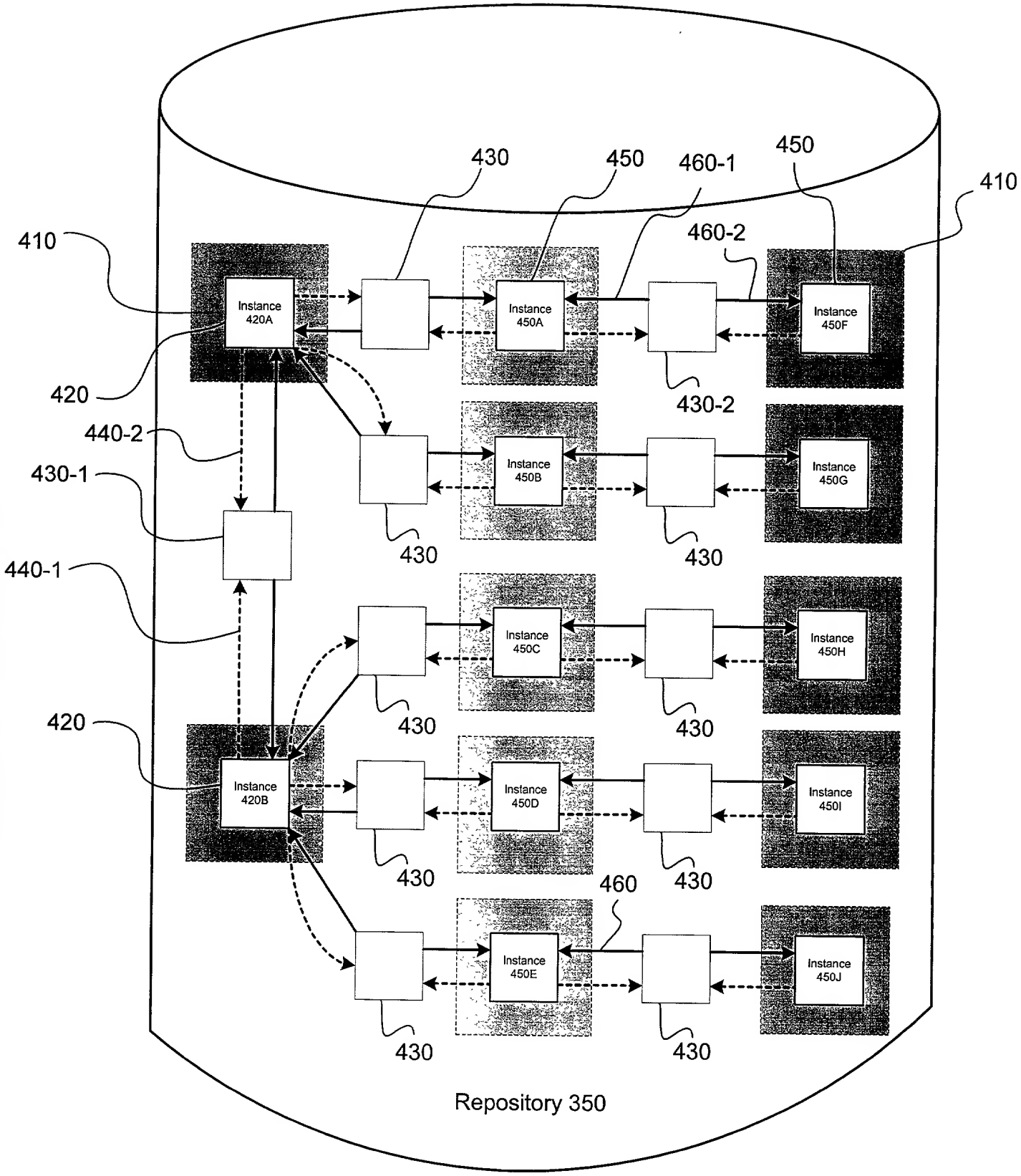
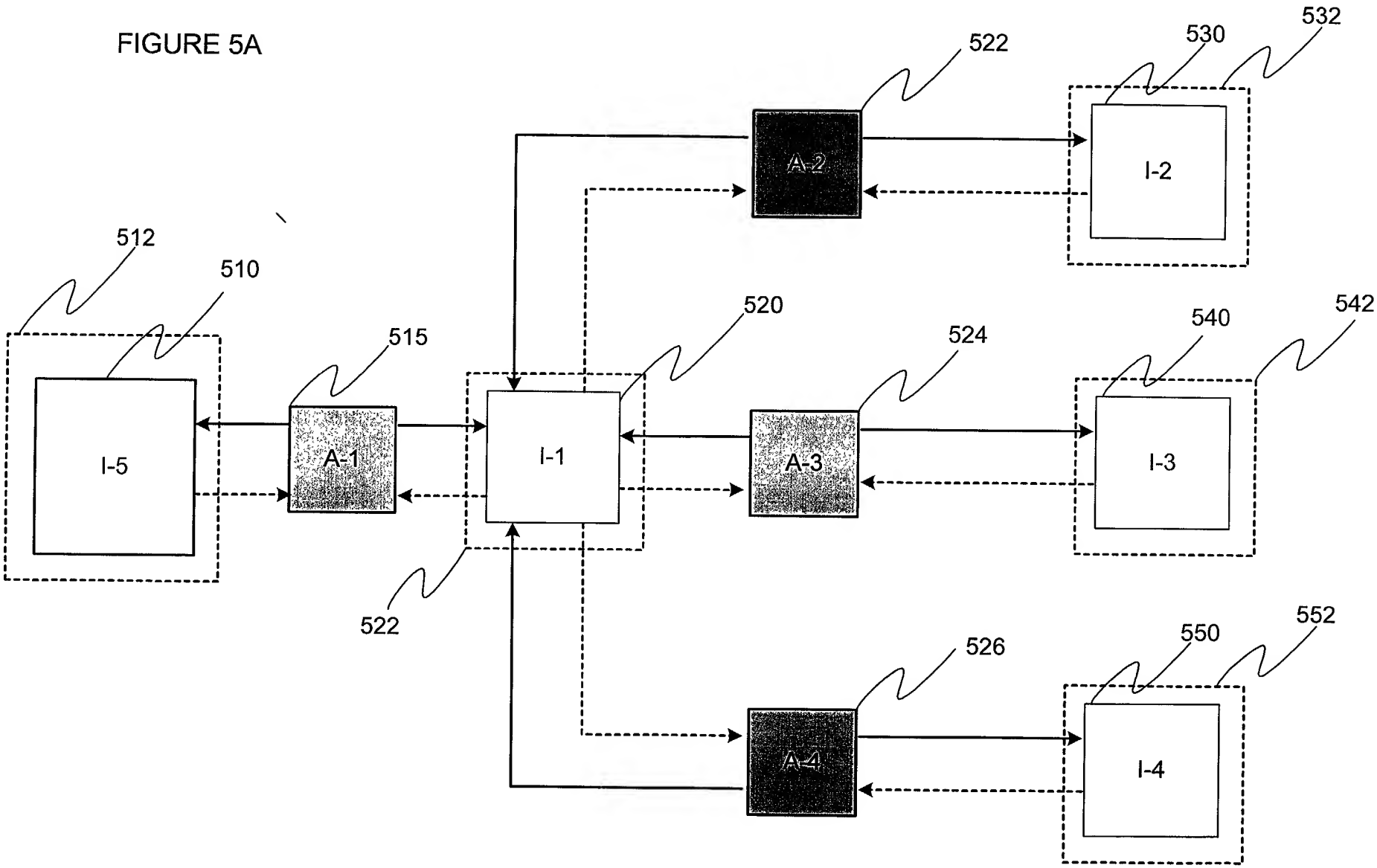

410
420
440-2
430-1
440-1
420
430
450
460-1
450
410
460-2
430-2
460
Instance 420A
Instance 450A
Instance 450F
Instance 450B
Instance 450G
Instance 450C
Instance 450H
Instance 420B
Instance 450D
Instance 450I
Instance 450E
Instance 450J
Repository 350

FIGURE 4

FIGURE 5A


532
530
522
512
510
520
515
524
540
542
I-5
A-1
I-1
A-3
I-3
A-2
I-2
522
526
550
552
A-4
I-4

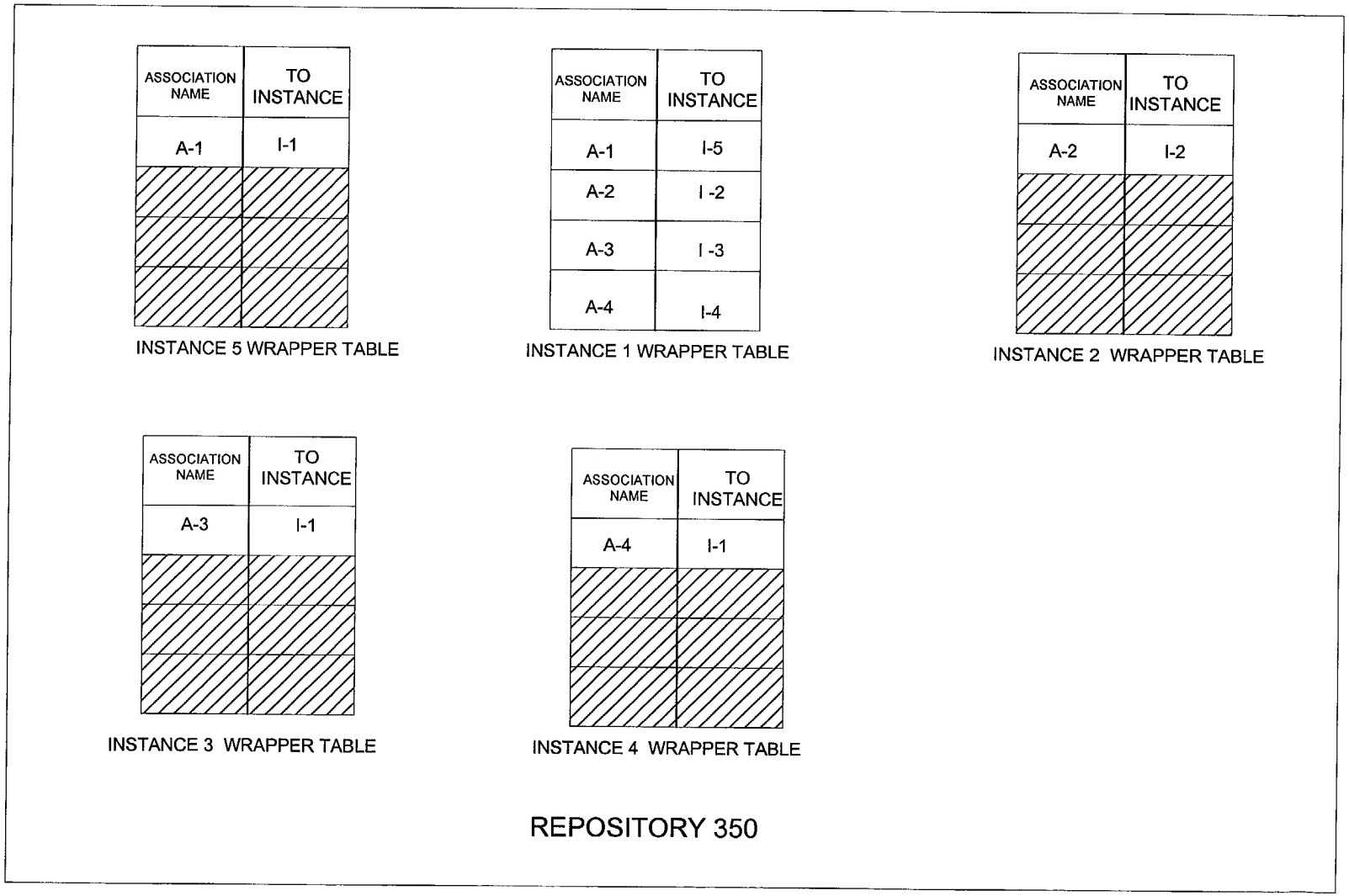
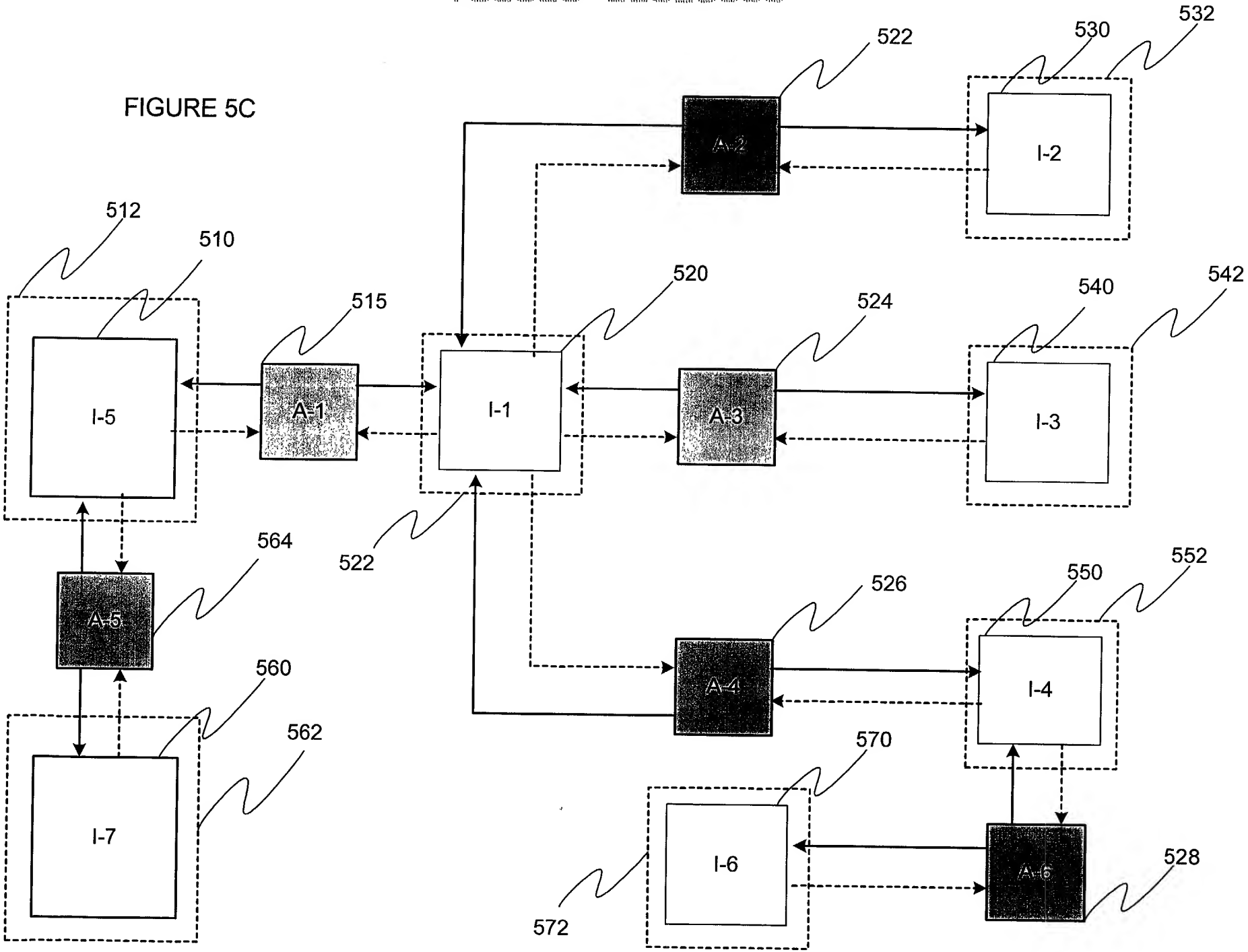

ASSOCIATION NAME
TO INSTANCE
A-1
I-1
INSTANCE 5 WRAPPER TABLE
ASSOCIATION NAME
TO INSTANCE
A-1
I-5
A-2
I -2
A-3
I -3
A-4
I-4
INSTANCE 1 WRAPPER TABLE
ASSOCIATION NAME
TO INSTANCE
A-2
I-2
INSTANCE 2 WRAPPER TABLE
ASSOCIATION NAME
TO INSTANCE
A-3
I-1
INSTANCE 3 WRAPPER TABLE
ASSOCIATION NAME
TO INSTANCE
A-4
I-1
INSTANCE 4 WRAPPER TABLE
REPOSITORY 350

FIGURE 5B

TO2020/056860

FIGURE 5C



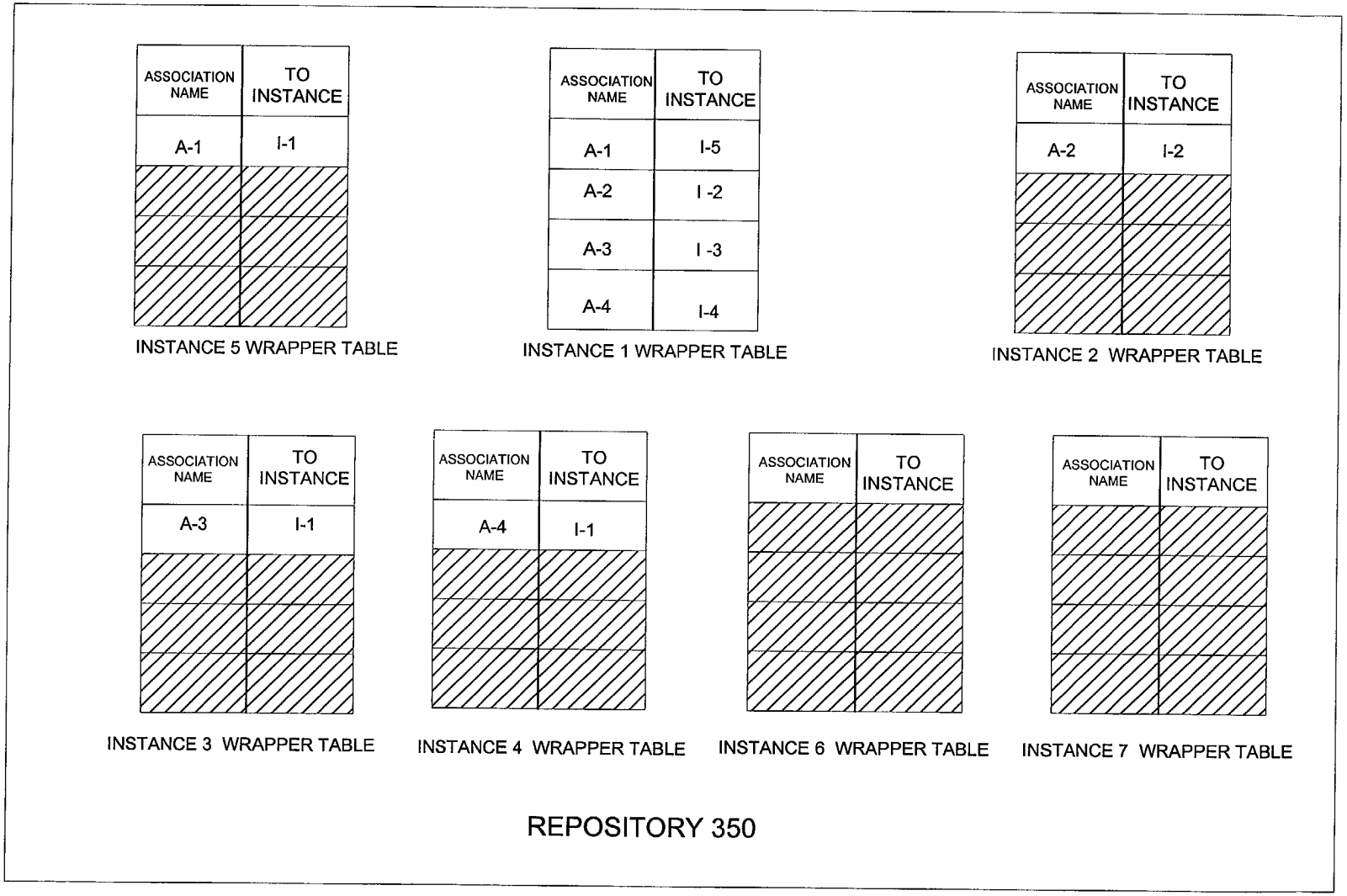

ASSOCIATION NAME
TO INSTANCE
A-1
I-1
INSTANCE 5 WRAPPER TABLE
ASSOCIATION NAME
TO INSTANCE
A-1
I-5
A-2
I -2
A-3
I -3
A-4
I-4
INSTANCE 1 WRAPPER TABLE
ASSOCIATION NAME
TO INSTANCE
A-2
I-2
INSTANCE 2 WRAPPER TABLE
ASSOCIATION NAME
TO INSTANCE
A-3
I-1
INSTANCE 3 WRAPPER TABLE
ASSOCIATION NAME
TO INSTANCE
A-4
I-1
INSTANCE 4 WRAPPER TABLE
ASSOCIATION NAME
TO INSTANCE
INSTANCE 6 WRAPPER TABLE
ASSOCIATION NAME
TO INSTANCE
INSTANCE 7 WRAPPER TABLE
REPOSITORY 350

FIGURE 5D

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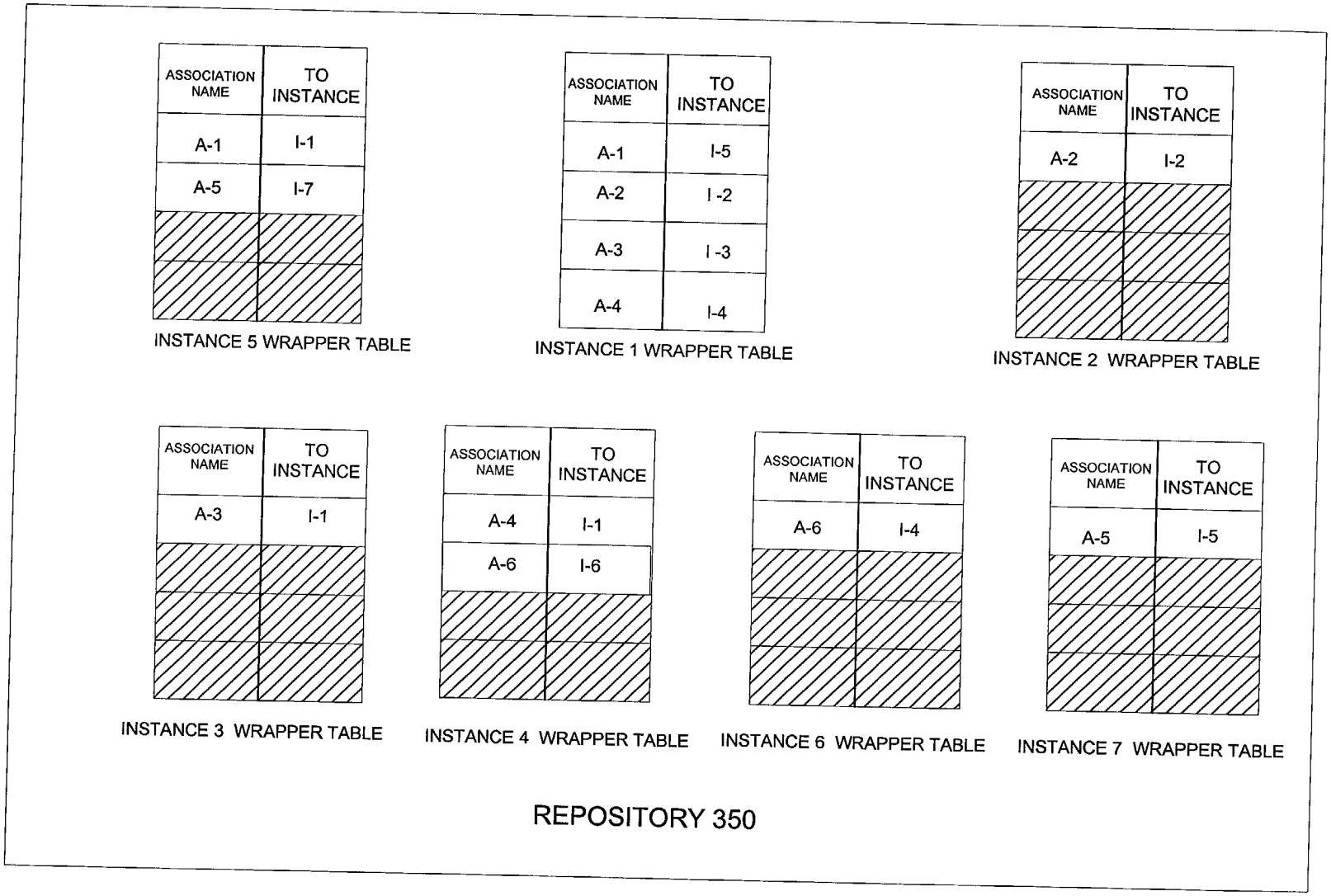


FIGURE 5E

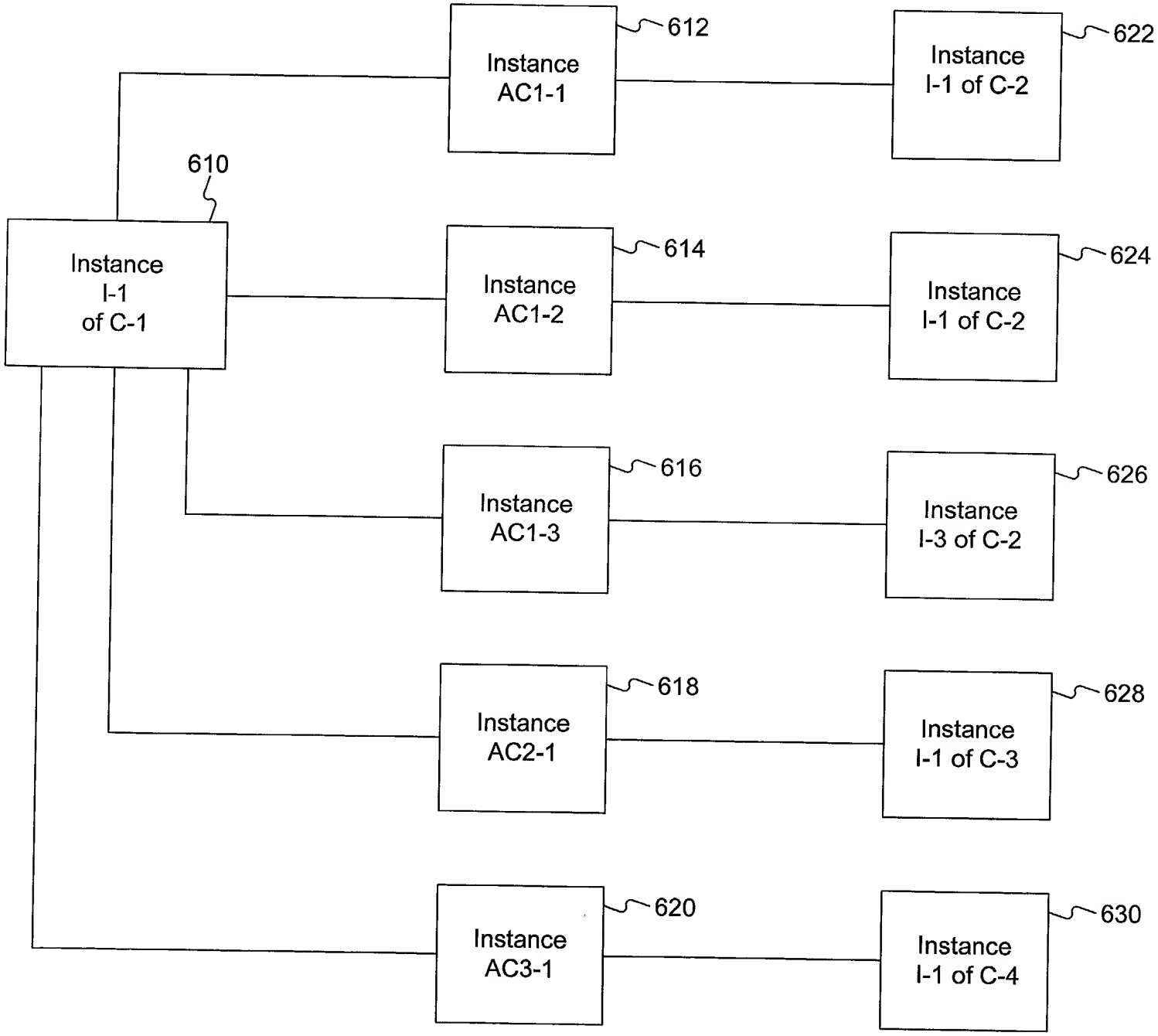
Instance
I-1
of C-1
610
Instance
AC1-1
612
Instance
I-1 of C-2
622
Instance
AC1-2
614
Instance
I-1 of C-2
624
Instance
AC1-3
616
Instance
I-3 of C-2
626
Instance
AC2-1
618
Instance
I-1 of C-3
628
Instance
AC3-1
620
Instance
I-1 of C-4
630

FIGURE 6A

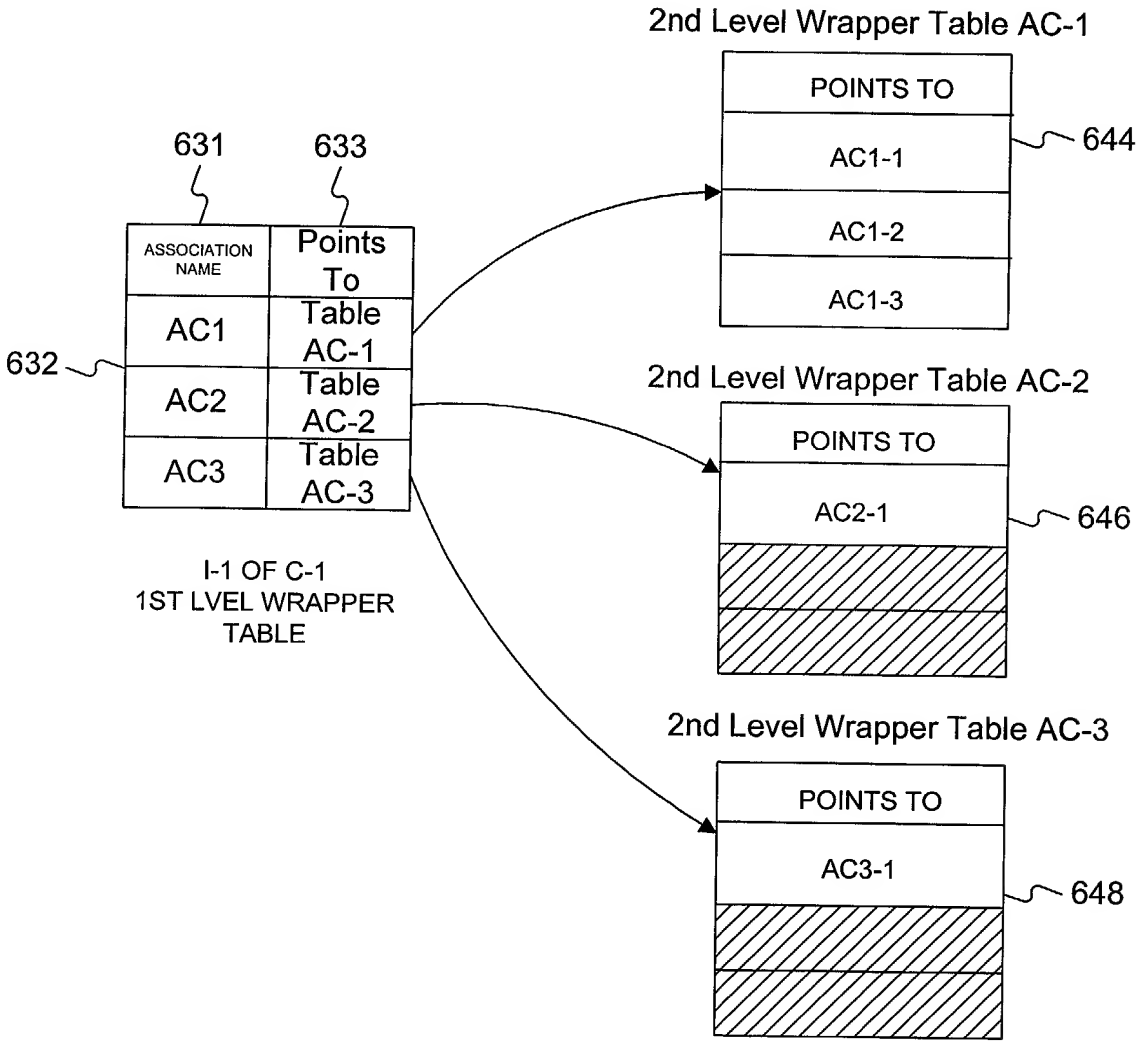
2nd Level Wrapper Table AC-1
POINTS TO
AC1-1
AC1-2
AC1-3
644
631
633
ASSOCIATION NAME
Points To
AC1
Table AC-1
AC2
Table AC-2
AC3
Table AC-3
632
I-1 OF C-1
1ST LVEL WRAPPER
TABLE
2nd Level Wrapper Table AC-2
POINTS TO
AC2-1
646
2nd Level Wrapper Table AC-3
POINTS TO
AC3-1
648

**FIGURE 6B**

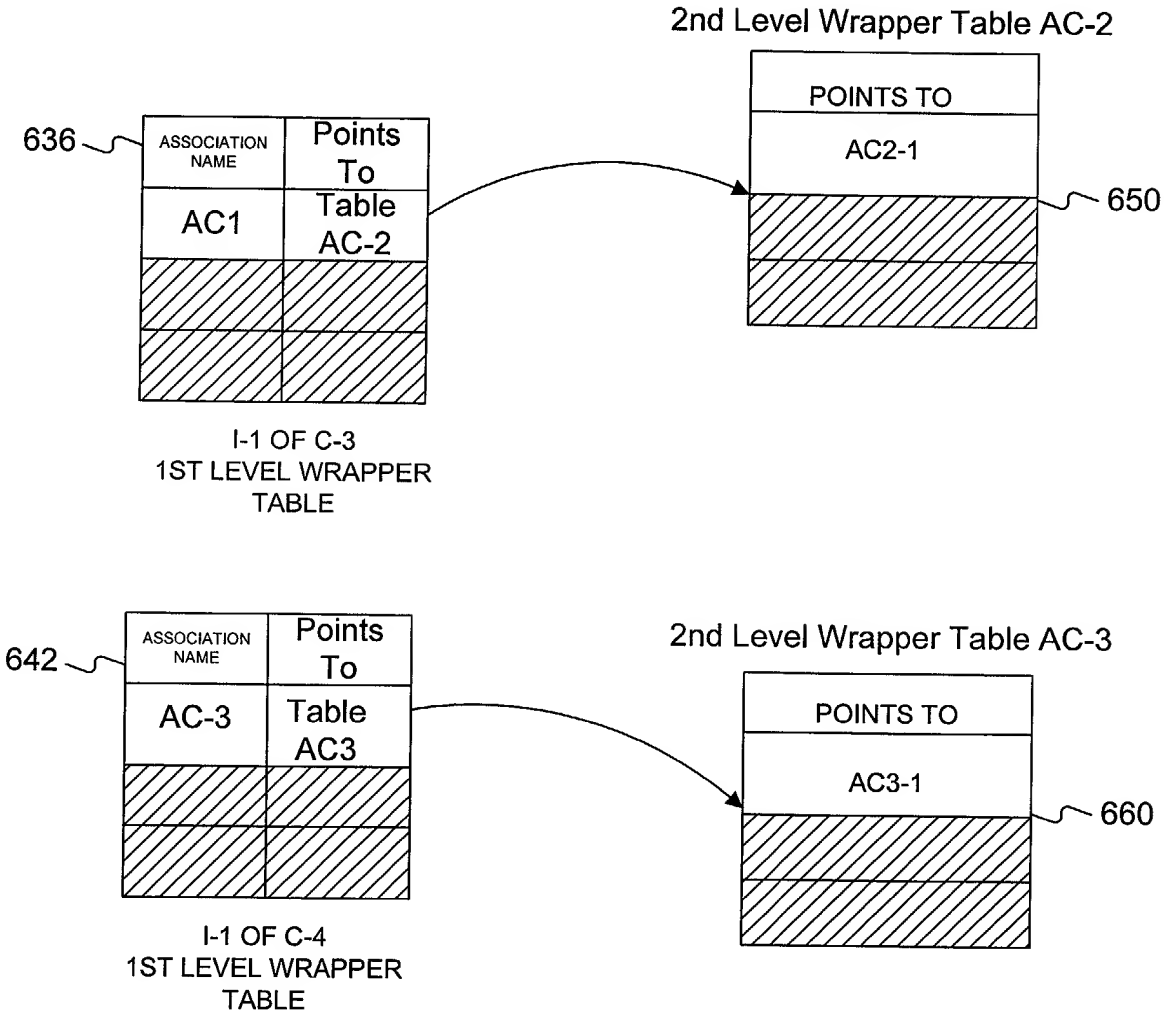
2nd Level Wrapper Table AC-2
POINTS TO
AC2-1
650
636
ASSOCIATION NAME
Points To
AC1
Table AC-2
I-1 OF C-3
1ST LEVEL WRAPPER TABLE
642
ASSOCIATION NAME
Points To
AC-3
Table AC3
2nd Level Wrapper Table AC-3
POINTS TO
AC3-1
660
I-1 OF C-4
1ST LEVEL WRAPPER TABLE

**FIGURE 6C**

TO2020/056860

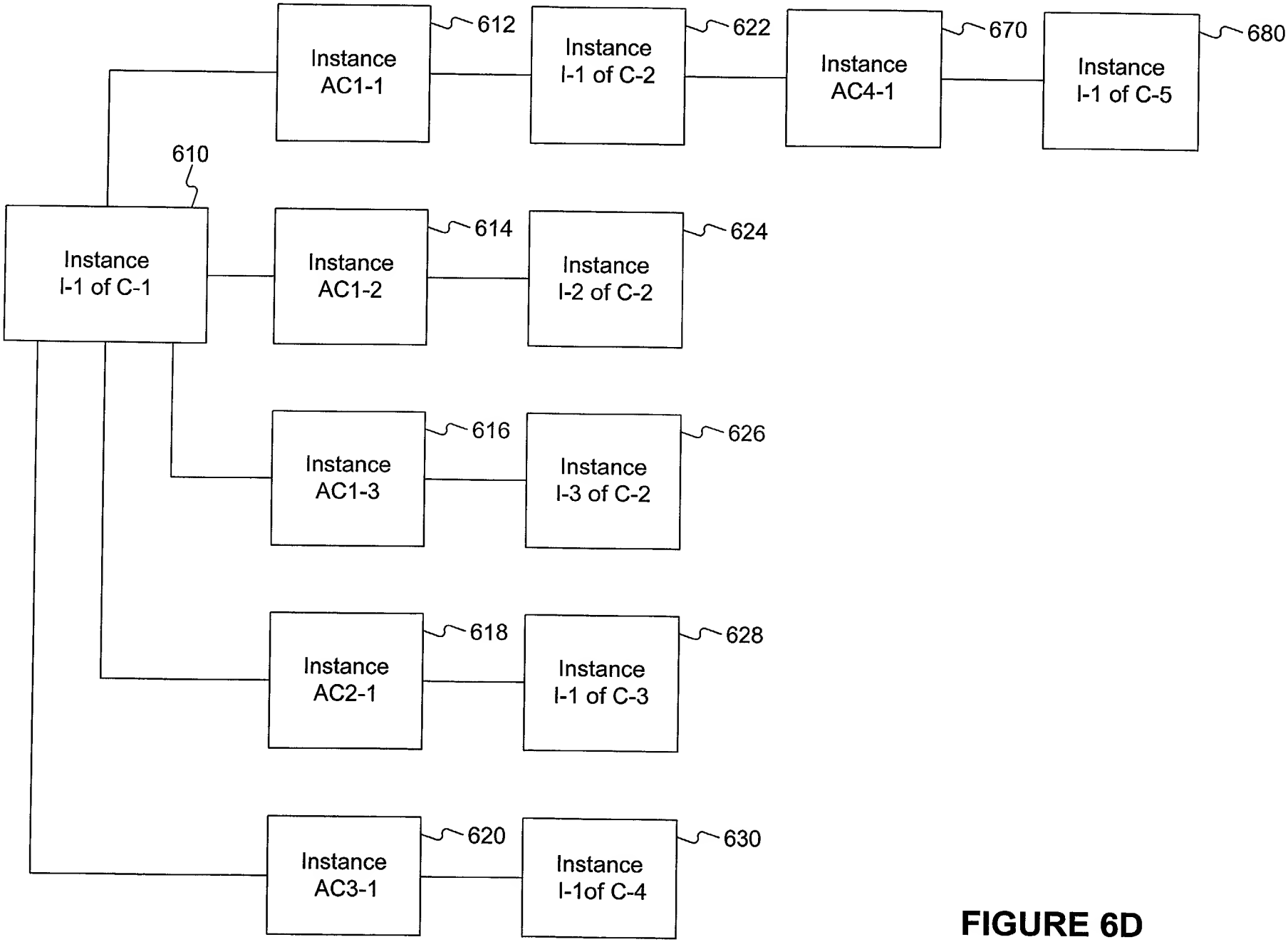


FIGURE 6D

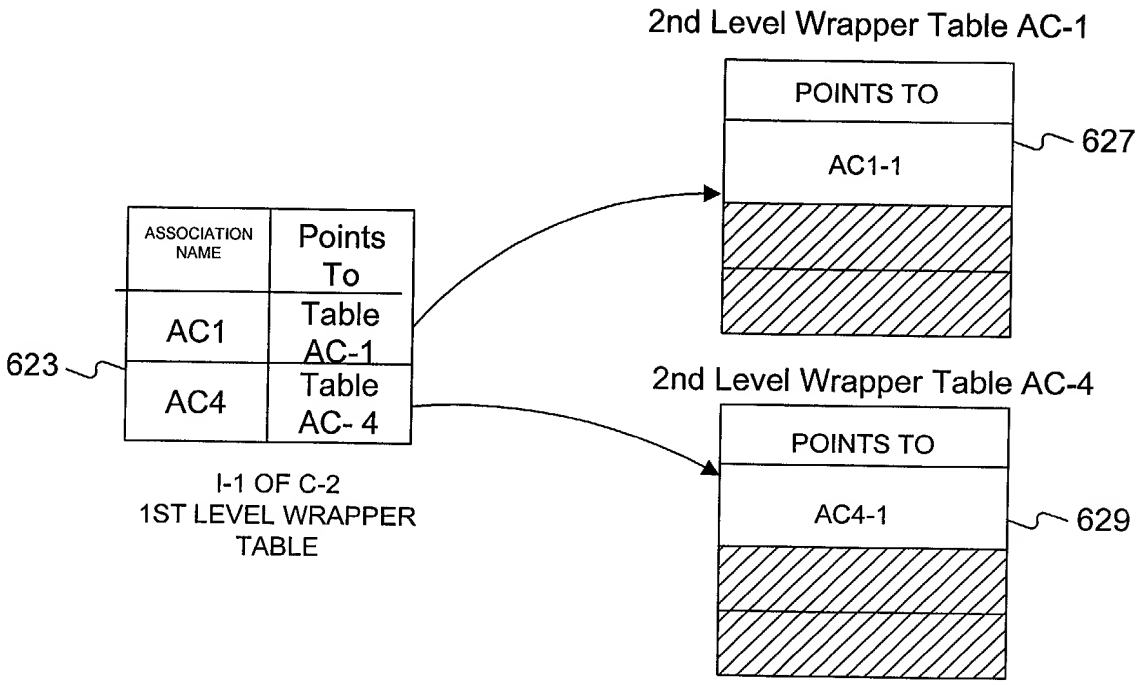
2nd Level Wrapper Table AC-1
POINTS TO
AC1-1
627
ASSOCIATION NAME
Points To
AC1
Table AC-1
AC4
Table AC- 4
623
I-1 OF C-2
1ST LEVEL WRAPPER
TABLE
2nd Level Wrapper Table AC-4
POINTS TO
AC4-1
629

**FIGURE 6E**

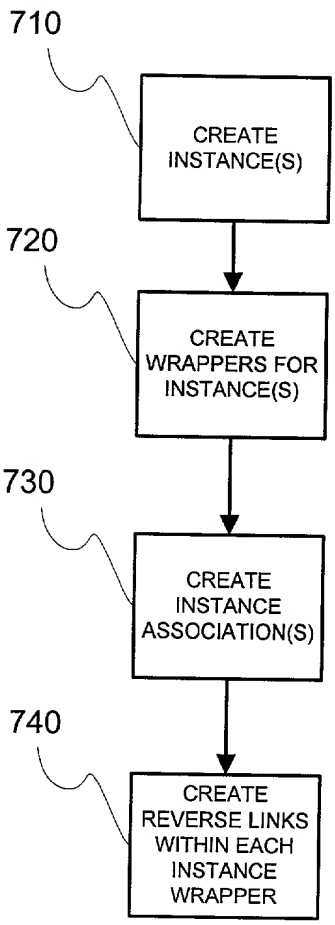


FIGURE 7

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Patent Application Publication

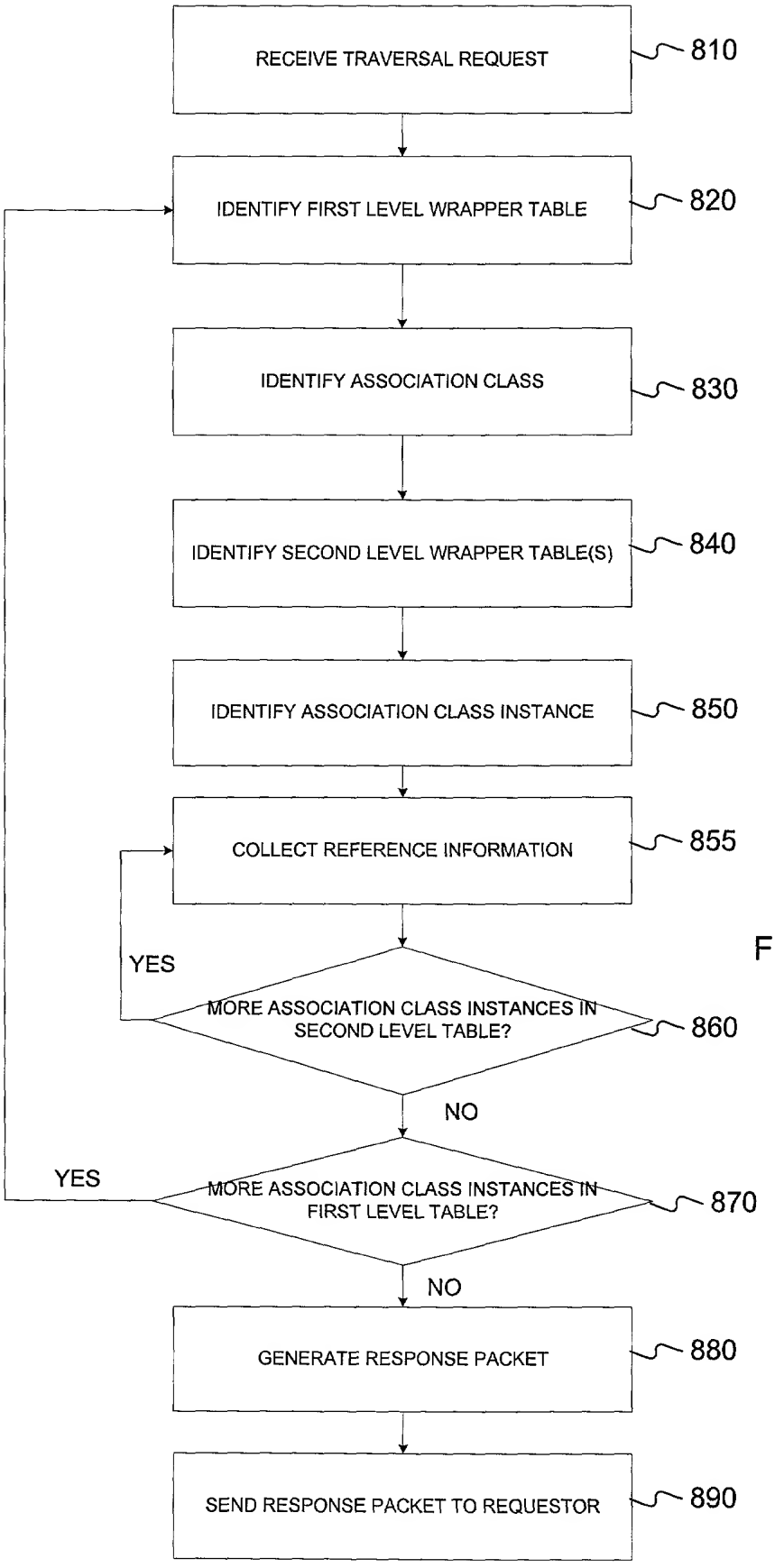


FIGURE 8